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<b>(21) International Application Number:</b> PCT/US99/25253  <b>(22) International Filing Date:</b> 3 November 1999 (03.11.99)  <b>(30) Priority Data:</b> 60/106,809                      3 November 1998 (03.11.98)                      US  <b>(71) Applicant (for all designated States except US):</b> THOMSON CONSUMER ELECTRONICS, INC. [US/US]; 10330 North Meridian Street, Indianapolis, IN 46290-1024 (US).  <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> DINWIDDIE, Aaron, Hal [US/US]; 12466 Trophy Drive, Fishers, IN 46038-3029 (US). NORTRUP, Kevin, Eugene [US/US]; 7477 N. London Road, Fairland, IN 46126 (US). LIU, Derek [CN/US]; 11710 Forest Park Lane, Carmel, IN 46033 (US). VAYL, Yefim [US/US]; 14360 Whitworth Drive, Carmel, IN 46033 (US).  <b>(74) Agents:</b> TRIPOLI, Joseph, S. et al.; Thomson Multimedia Licensing Incorporated, P.O. Box 5312, Princeton, NJ 08543 (US).		<b>(81) Designated States:</b> AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>Without international search report and to be republished          upon receipt of that report.</i>

**(54) Title:** METHOD AND APPARATUS FOR UPDATING COMPUTER CODE USING AN INTEGRATED CIRCUIT INTERFACE**(57) Abstract**

A method and apparatus for providing computer code updates through an integrated circuit card (smart card) interface. The smart card interface within a computer control device determines whether the card that is inserted into the smart card interface is either a memory card or a conventional smart card. Once the smart card interface has detected that the memory card has been inserted, the interface requests data from the card. The interface provides the computer code to the memory of the computer controlled device to update the computer code therein.

